

Marcus Bleicher

List of Publications by Year in descending order

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407
all docs

407
docs citations

407
times ranked

4940
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling relativistic heavy-ion collisions with dynamical transport approaches. Progress in Particle and Nuclear Physics, 2022, 122, 103920.	14.4	27
2	Towards solving the puzzle of high temperature light (anti)-nuclei production in ultra-relativistic heavy ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136891.	4.1	16
3	Flavor hierarchy at the chemical freeze-out from UrQMD. EPJ Web of Conferences, 2022, 259, 10005.	0.3	1
4	Triple nuclear collisions – a new method to explore the matter properties under new extreme conditions. EPJ Web of Conferences, 2022, 259, 13012.	0.3	1
5	Comparison of heavy ion transport simulations: Ag + Ag collisions at $E_{\text{lab}} = 1.58A$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055108.	3.6	12
6	Coalescence, the thermal model and multi-fragmentation: the energy and volume dependence of light nuclei production in heavy ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055107.	3.6	17
7	Deuteron production in ultrarelativistic heavy-ion collisions: A comparison of the coalescence and the minimum spanning tree procedure. Physical Review C, 2022, 105, .	2.9	12
8	A chiral mean-field equation-of-state in UrQMD: effects on the heavy ion compression stage. European Physical Journal C, 2022, 82, 1.	3.9	12
9	Harmonic flow correlations in Au+Au reactions at 1.23 AGeV: a new testing ground for the equation-of-state and expansion geometry. European Physical Journal C, 2022, 82, .	3.9	6
10	Evolution of the statistical disintegration of finite nuclei toward high energy. Physical Review C, 2022, 106, .	2.9	5
11	Early-Stage Shear Viscosity far from Equilibrium via Holography. Nuclear Physics A, 2021, 1005, 121880.	1.5	2
12	Constraining resonance properties through kaon production in pion–nucleus collisions at low energies. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 025109.	3.6	4
13	Understanding the energy dependence of B_2 in heavy ion collisions: interplay of volume and space-momentum correlations. European Physical Journal A, 2021, 57, 1.	2.5	12
14	ρ resonances in Ca+Ca, Ni+Ni and Au+Au reactions from 1 AGeV to 2 AGeV: Consistency between yields, mass shifts and decoupling temperatures. Nuclear Physics A, 2021, 1007, 122058.	1.5	9
15	Theory of hot matter and relativistic heavy-ion collisions (THOR). European Physical Journal A, 2021, 57, 1.	2.5	0
16	Coupling dynamical and statistical mechanisms for baryonic cluster production in nucleus collisions of intermediate and high energies. Physical Review C, 2021, 103, .	2.9	8
17	A first estimate of \hat{I}/s in Au+Au reactions at $E_{\text{lab}} = 1.23$ AGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136285.	4.1	12
18	Modeling (anti)deuteron formation at RHIC with a geometric coalescence model. Physica Scripta, 2021, 96, 124002.	2.5	2

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19	Sumanene as a delivery system for 5-fluorouracil drug â€“ DFT, SAPT and MD study. Journal of Molecular Liquids, 2021, 342, 117526.	4.9	20
20	Proton number fluctuations in partial chemical equilibrium. Physical Review C, 2021, 104, .	2.9	1
21	Hadronic resonance production and interaction in $\sqrt{s_{NN}}=2.76$ TeV Pb-Pb collisions at LHC energies in EPOS3. Physical Review C, 2021, 104, .	2.9	1
22	Probing chemical freeze-out criteria in relativistic nuclear collisions with coarse grained transport simulations. European Physical Journal A, 2020, 56, 1.	2.5	13
23	Evaluation of hypernuclei in relativistic ion collisions. European Physical Journal A, 2020, 56, 1.	2.5	4
24	Shear transport far from equilibrium via holography. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135973.	4.1	7
25	Magnetic fields in heavy ion collisions: flow and charge transport. European Physical Journal C, 2020, 80, 1.	3.9	63
26	Temperatures and chemical potentials at kinetic freeze-out in relativistic heavy ion collisions from coarse grained transport simulations. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 025104.	3.6	6
27	First, second, third and fourth flow harmonics of deuterons and protons in Au+Au reactions at 1.23 AGeV. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 055101.	3.6	29
28	Deuteron and antideuteron coalescence in heavy-ion collisions: energy dependence of the formation geometry. European Physical Journal A, 2020, 56, 1.	2.5	12
29	Effects of the QCD phase transition on hadronic observables in relativistic hydrodynamic simulations of heavy-ion reactions in the FAIR/NICA energy regime. European Physical Journal: Special Topics, 2020, 229, 3537-3550.	2.6	6
30	On the survey of nuclei and hypernuclei in multifragmentation. Physica Scripta, 2020, 95, 075311.	2.5	2
31	Influence of Centrality Definition and Detector Efficiency on the Net-Proton Kurtosis. Springer Proceedings in Physics, 2020, , 335-343.	0.2	0
32	Scaling properties of flow harmonics of deuterons and protons in Au+Au reactions at 1.23 AGeV. Journal of Physics: Conference Series, 2020, 1667, 012013.	0.4	1
33	Secondary Drell-Yan dileptons in heavy-ion reactions. International Journal of Modern Physics E, 2019, 28, 1950047.	1.0	1
34	Formation of hypernuclei in relativistic ion, hadron and lepton collisions. AIP Conference Proceedings, 2019, , .	0.4	1
35	Delta mass shift as a thermometer of kinetic decoupling in Au + Au reactions at 1.23 AGeV. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 105107.	3.6	10
36	The QCD Phase Diagram from Statistical Model Analysis. Nuclear Physics A, 2019, 982, 827-830.	1.5	6

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37	Taming the Energy Rise of the Total Proton-Proton Cross-Section. Universe, 2019, 5, 106.	2.5	4
38	Entropy production and reheating at the chiral phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 557-562.	4.1	14
39	Susceptibilities of strongly interacting matter in a finite volume. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 025101.	3.6	3
40	Elliptic flow and $\langle R_{AA} \rangle$ of $\langle D \rangle$ mesons at FAIR comparing the UrQMD hybrid model and the coarse-graining approach. European Physical Journal C, 2019, 79, 52.	3.9	5
41	Deuteron production from phase-space coalescence in the UrQMD approach. Physical Review C, 2019, 99, .	2.9	66
42	Production of Λ -hypernuclei and evaluation of their binding energies via the double yield ratio. European Physical Journal A, 2019, 55, 1.	2.5	2
43	Constraints on the String T-Duality Propagator from the Hydrogen Atom. Symmetry, 2019, 11, 1478.	2.2	5
44	Transverse momentum and rapidity dependence of collective flow harmonics of protons and deuterons in Au+Au reactions at 1.23 AGeV. Astronomische Nachrichten, 2019, 340, 996-1000.	1.2	3
45	Effects of fluctuations and color neutrality in a finite volume. Astronomische Nachrichten, 2019, 340, 866-871.	1.2	2
46	A hadronic transport analysis on the \hat{m} mass in Au+Au reactions at 1.23 AGeV. Astronomische Nachrichten, 2019, 340, 1018-1022.	1.2	3
47	Transport model calculations of deuteron production in relativistic hadron and heavy-ion collisions. Astronomische Nachrichten, 2019, 340, 977-982.	1.2	4
48	Benchmark values for net proton number fluctuations. , 2019, , .		0
49	Unruh thermal hadronization and the cosmological constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 93-99.	4.1	3
50	Broadening of the chiral critical region in a hydrodynamically expanding medium. European Physical Journal A, 2018, 54, 1.	2.5	11
51	Higher order net-proton number cumulants dependence on the centrality definition and other spurious effects. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 025101.	3.6	13
52	Testing charm quark equilibration in ultrahigh-energy heavy ion collisions with fluctuations. Physical Review C, 2018, 97, .	2.9	1
53	Rapidity gap survival in enhanced Pomeron scheme. European Physical Journal C, 2018, 78, 67.	3.9	7
54	Conserved charge fluctuations are not conserved during the hadronic phase. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 32-37.	4.1	14

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55	Evolution of the moments of multiplicity distributions. Physical Review C, 2018, 98, .	2.9	4
56	Statistical production and binding energy of hypernuclei. Physical Review C, 2018, 98, .	2.9	13
57	Resonance production in high energy collisions from small to big systems. EPJ Web of Conferences, 2018, 171, 09002.	0.3	10
58	Processes of hypernuclei formation in relativistic ion collisions. EPJ Web of Conferences, 2018, 171, 13001.	0.3	0
59	Event-by-event fluctuations in p+p and central A+A collisions within relativistic transport models. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 115104.	3.6	7
60	Production of light hypernuclei with light-ion beams and targets. Physical Review C, 2018, 98, .	2.9	10
61	Panel Discussion, "The Duel": The Good, the Bad, and the Ugly of Gravity and Information. Springer Proceedings in Physics, 2018, , 13-35.	0.2	7
62	Three-fluid Hydrodynamics-based Event Simulator Extended by UrQMD final State interactions (THESEUS) for FAIR-NICA-SPSBES/RHIC energies. EPJ Web of Conferences, 2018, 182, 02056.	0.3	12
63	Directed, elliptic and triangular flow of protons in Au+Au reactions at 1.23 A GeV: a theoretical analysis of the recent HADES data. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 085101.	3.6	33
64	Magneto-hydrodynamic simulations of Heavy Ion Collisions with ECHO-QGP. Journal of Physics: Conference Series, 2018, 1024, 012043.	0.4	4
65	Final state hadronic rescattering with UrQMD. EPJ Web of Conferences, 2018, 171, 05003.	0.3	6
66	The QCD Phase Diagram from Statistical Model Analysis. , 2018, , 41-64.		2
67	Black Holes and High Energy Physics: From Astrophysics to Large Extra Dimensions. , 2018, , 359-373.		1
68	Clusters and higher moments of proton number fluctuations. , 2018, , .		1
69	Hadronization conditions in relativistic nuclear collisions and the QCD pseudo-critical line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 241-246.	4.1	54
70	Sub-threshold strangeness and charm production in UrQMD. Journal of Physics: Conference Series, 2017, 779, 012017.	0.4	2
71	Lateral variations of radiobiological properties of therapeutic fields of ^1H , ^4He , ^{12}C and ^{16}O ions studied with Geant4 and microdosimetric kinetic model. Physics in Medicine and Biology, 2017, 62, 5884-5907.	3.0	5
72	Sub-threshold charm production in nuclear collisions. Physical Review C, 2017, 95, .	2.9	20

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73	Formation of hypernuclei in heavy-ion collisions around the threshold energies. <i>Physical Review C</i> , 2017, 95, .	2.9	32
74	Formation of exotic baryon clusters in ultrarelativistic heavy-ion collisions. <i>Physical Review C</i> , 2017, 96, .	2.9	14
75	Influence of the hadronic phase on observables in ultrarelativistic heavy ion collisions. <i>Physical Review C</i> , 2017, 95, .	2.9	26
76	Sub-threshold charm and strangeness production at <sc>GSI</sc>/<sc>FAIR</sc> energies. <i>Astronomische Nachrichten</i> , 2017, 338, 1101-1104.	1.2	0
77	The QCD Phase Diagram and Hadron Formation in Relativistic Nuclear Collisions. , 2017, , 139-150.		0
78	AdS/CFT far from equilibrium in a Vaidya setup. <i>Journal of Physics: Conference Series</i> , 2017, 942, 012020.	0.4	6
79	Probing the QCD Phase Diagram with Dileptons --- a Study Using Coarse-grained Transport Dynamics. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2017, 10, 549.	0.1	0
80	Formation of Hypernuclei in Relativistic Ion Collisions. , 2017, , .		0
81	Planck scale black holes " Theory vs. observations. , 2017, , .		0
82	Appearance of Hagedorn limiting temperature in microscopic model calculations. <i>EPJ Web of Conferences</i> , 2016, 126, 03006.	0.3	1
83	Dileptons in a coarse-grained transport approach. <i>Journal of Physics: Conference Series</i> , 2016, 668, 012059.	0.4	0
84	Test of the X(3872) structure in antiproton-nucleus collisions. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
85	Sub-threshold $\bar{\Lambda}$ and Ξ production by high mass resonances with UrQMD. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2016, 43, 015104.	3.6	50
86	Numerical magneto-hydrodynamics for relativistic nuclear collisions. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	128
87	Anomalous hydrodynamics kicks neutron stars. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 760, 170-174.	4.1	44
88	Influence of kinematic cuts on the net charge distribution. <i>Nuclear Physics A</i> , 2016, 956, 336-339.	1.5	5
89	Energy, centrality, and momentum dependence of dielectron production at collider energies in a coarse-grained transport approach. <i>Physical Review C</i> , 2016, 94, .	2.9	13
90	Relativistic ion collisions as the source of hypernuclei. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	3

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91	Formation of hypernuclei in evaporation and fission processes. <i>Physical Review C</i> , 2016, 94, .	2.9	16
92	\bar{b} polarization in peripheral collisions at moderately relativistic energies. <i>Physical Review C</i> , 2016, 94, .	2.9	45
93	Unparticle contribution to the hydrogen atom ground state energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 589-592.	4.1	7
94	Heavy quark transport in heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider within the UrQMD hybrid model. <i>Physical Review C</i> , 2016, 93, .	2.9	37
95	Hadronic resonance production and interaction in partonic and hadronic matter in the EPOS3 model with and without the hadronic afterburner UrQMD. <i>Physical Review C</i> , 2016, 93, .	2.9	74
96	Color transparency in γ -induced dilepton production on nuclei. <i>Physical Review C</i> , 2016, 93, .	2.9	8
97	Photon and dilepton production at the Facility for Proton and Anti-Proton Research and beam-energy scan at the Relativistic Heavy-Ion Collider using coarse-grained microscopic transport simulations. <i>Physical Review C</i> , 2016, 93, .	2.9	21
98	Formation of deuterons by coalescence: Consequences for deuteron number fluctuations. <i>Physical Review C</i> , 2016, 93, .	2.9	15
99	Heavy baryonic resonances, multistrange hadrons, and equilibration at energies available at the GSI Schwerionensynchrotron, SIS18. <i>Physical Review C</i> , 2016, 93, .	2.9	15
100	Double parton scattering: Impact of nonperturbative parton correlations. <i>Physical Review D</i> , 2016, 93, .	4.7	10
101	Constraining pion interactions at very high energies by cosmic ray data. <i>Physical Review D</i> , 2016, 93, .	4.7	17
102	Effects of EoS in viscous hydro+ cascade model for the RHIC Beam Energy Scan. <i>Nuclear Physics A</i> , 2016, 956, 834-837.	1.5	5
103	Event simulation based on three-fluid hydrodynamics for collisions at energies available at the Dubna Nuclotron-based Ion Collider Facility and at the Facility for Antiproton and Ion Research in Darmstadt. <i>Physical Review C</i> , 2016, 94, .	2.9	40
104	Constraining high energy interaction mechanisms by studying forward hadron production at the LHC. <i>Physical Review D</i> , 2016, 94, .	4.7	10
105	Distributions of deposited energy and ionization clusters around ion tracks studied with Geant4 toolkit. <i>Physics in Medicine and Biology</i> , 2016, 61, 3698-3711.	3.0	8
106	Recent results from strangeness in transport models. <i>Journal of Physics: Conference Series</i> , 2016, 668, 012007.	0.4	2
107	Estimating Λ 's of QCD matter at high baryon densities. <i>Journal of Physics: Conference Series</i> , 2016, 668, 012063.	0.4	1
108	Coarse-graining approach for dilepton production at energies available at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , 2015, 91, .	2.9	29

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109	Estimation of the shear viscosity at finite net baryon density from χ^2 data at $\mu_B = 0$. Physical Review C, 2015, 92, .	2.9	129
110	Dilepton production and reaction dynamics in heavy-ion collisions at SIS energies from coarse-grained transport simulations. Physical Review C, 2015, 92, .	2.9	50
111	Net-proton-number kurtosis and skewness in nuclear collisions: Influence of deuteron formation. Physical Review C, 2015, 92, .	2.9	20
112	Spinodal density enhancements in nuclear collisions at the CBM experiment. Journal of Physics: Conference Series, 2015, 599, 012014.	0.4	0
113	Determination of the structure of the X(3872) in $p\bar{A}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 35-43.	4.1	8
114	3+1 dimensional viscous hydrodynamics at high baryon densities. Journal of Physics: Conference Series, 2015, 612, 012052.	0.4	1
115	Dilepton Production in Transport-based Approaches. Journal of Physics: Conference Series, 2015, 612, 012039.	0.4	2
116	In-medium Spectral Functions in a Coarse-Graining Approach. Journal of Physics: Conference Series, 2015, 599, 012020.	0.4	1
117	Electromagnetic probes in heavy-ion collisions. EPJ Web of Conferences, 2015, 97, 00028.	0.3	1
118	Hadron resonance production and final state hadronic interactions with UrQMD at LHC. EPJ Web of Conferences, 2015, 97, 00026.	0.3	9
119	Vector Meson Spectral Functions in a Coarse-Graining Approach. EPJ Web of Conferences, 2015, 97, 00014.	0.3	1
120	Spatio-Temporal Dynamics of Hypoxia during Radiotherapy. PLoS ONE, 2015, 10, e0133357.	2.5	21
121	Formation of hypermatter and hypernuclei within transport models in relativistic ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 7-14.	4.1	57
122	Comparative study of dose distributions and cell survival fractions for ^1H , ^4He , ^{12}C and ^{16}O beams using Geant4 and Microdosimetric Kinetic model. Physics in Medicine and Biology, 2015, 60, 3313-3331.	3.0	19
123	PRODUCTION AND EVAPORATION OF PLANCK SCALE BLACK HOLES AT THE LHC. , 2015, , .		2
124	The beam energy dependence of collective flow in heavy ion collisions. , 2015, , .		0
125	Beam energy scan using a viscous hydro+cascade model. Journal of Physics: Conference Series, 2014, 509, 012067.	0.4	5
126	3+1 dimensional viscous hydrodynamics at high baryon densities. Journal of Physics: Conference Series, 2014, 503, 012040.	0.4	11

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127	Deep sub-threshold χ production in nuclear collisions with the UrQMD transport model. Physical Review C, 2014, 90, .	2.9	42
128	Vorticity in peripheral collisions at the Facility for Antiproton and Ion Research and at the JINR Nuclotron-based Ion Collider fAcility. Physical Review C, 2014, 90, .	2.9	38
129	Evidence for flow from hydrodynamic simulations of ^3He production at 5.02 TeV from Pb-Pb collisions. Physical Review Letters, 2014, 112, 232301.	7.8	113
130	Polarized χ production in antiproton-nucleus interactions. Physical Review C, 2014, 89, .	2.9	67
131	Collisional processes of on-shell and off-shell heavy quarks in vacuum and in the quark-gluon plasma. Physical Review C, 2014, 89, .	2.9	62
132	Twisted emission geometry in noncentral Pb + Pb collisions measurable via azimuthally sensitive Hanbury-Brown-Twiss correlations. Physical Review C, 2014, 89, .	2.9	9
133	Examination of directed flow as a signal for a phase transition in relativistic nuclear collisions. Physical Review C, 2014, 89, .	2.9	67
134	Mini-review on black holes from the Big Bang. Astronomische Nachrichten, 2014, 335, 605-611.	1.2	6
135	Centrality dependence of hadronization and chemical freeze-out conditions in heavy ion collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 90, .	2.9	65
136	Modeling a delayed phase transition in the early universe. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 125005.	3.6	1
137	A 3-dimensional viscous hydrodynamic code for relativistic heavy ion collisions. Computer Physics Communications, 2014, 185, 3016-3027.	7.5	124
138	Microdosimetry spectra and RBE of 1H, 4He, 7Li and 12C nuclei in water studied with Geant4. Nuclear Instruments & Methods in Physics Research B, 2014, 320, 89-99.	1.4	31
139	Formation of droplets with high baryon density at the QCD phase transition in expanding matter. Nuclear Physics A, 2014, 925, 14-24.	1.5	47
140	The QCD phase transition in a fully dynamical model of heavy-ion collisions. Journal of Physics: Conference Series, 2014, 509, 012065.	0.4	5
141	Charmonium production in p -induced reactions on nuclei. EPJ Web of Conferences, 2014, 81, 04007.	0.3	0
142	How spinodal decomposition influences observables at FAIR energies. Journal of Physics: Conference Series, 2014, 503, 012004.	0.4	0
143	Particle Production in Nuclear Collisions: Hadronization and QCD. Journal of Physics: Conference Series, 2014, 556, 012021.	0.4	0
144	Radiation quality of cosmic ray nuclei studied with Geant4-based simulations. Journal of Physics: Conference Series, 2014, 503, 012021.	0.4	0

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145	Dilepton Production in Transport Calculations and Coarse-Grained Dynamics. Journal of Physics: Conference Series, 2014, 503, 012039.	0.4	2
146	Strangeness in Quark Matter: Opening Talk. Journal of Physics: Conference Series, 2014, 509, 012002.	0.4	4
147	Hybrid Modeling of Heavy-ion Collisions in UrQMD. Acta Physica Polonica B, Proceedings Supplement, 2014, 7, 173.	0.1	3
148	Microdosimetry of radiation field from a therapeutic ^{12}C beam in water: A study with Geant4 toolkit. Nuclear Instruments & Methods in Physics Research B, 2013, 310, 37-53.	1.4	20
149	System size and energy dependence of dilepton production in heavy-ion collisions at $1-2\hat{\text{A}}\text{GeV/nucleon}$ energies. Physical Review C, 2013, 87, .	2.9	39
150	Hadron Formation in Relativistic Nuclear Collisions and the QCD Phase Diagram. Physical Review Letters, 2013, 111, 082302.	7.8	137
151	Influence of an inhomogeneous and expanding medium on signals of the QCD phase transition. Nuclear Physics A, 2013, 904-905, 899c-902c.	1.5	11
152	Possibility for J/ψ suppression in high-multiplicity proton-proton collisions at $\sqrt{s_{NN}}=7\text{TeV}$. Physical Review C, 2013, 87, .	2.9	5
153	Recent HBT Results from a Hybrid Transport Approach to Heavy Ion Reactions. , 2013, , 237-242.		0
154	Relativistic hydrodynamics on graphic cards. Computer Physics Communications, 2013, 184, 311-319.	7.5	12
155	In Silico Analysis of Cell Cycle Synchronisation Effects in Radiotherapy of Tumour Spheroids. PLoS Computational Biology, 2013, 9, e1003295.	3.2	39
156	The impact of dissipation and noise on fluctuations in chiral fluid dynamics. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 055108.	3.6	42
157	The Physics of EPOS. EPJ Web of Conferences, 2013, 52, 05001.	0.3	3
158	Charmonium production in antiproton-nucleus reactions at low energies. Physical Review C, 2013, 87, .	2.9	13
159	Nonthermal $\langle p \rangle / \langle m \rangle$ Ratio at LHC as a Consequence of Hadronic Final State Interactions. Physical Review Letters, 2013, 110, 042501.	7.8	86
160	Chiral fluid dynamics with explicit propagation of the Polyakov loop. Physical Review C, 2013, 87, .	2.9	61
161	Mechanisms for the production of hypernuclei beyond the neutron and proton drip lines. Physical Review C, 2013, 88, .	2.9	30
162	Monte Carlo simulations of Microdosimetry for Space Research at FAIR. Journal of Physics: Conference Series, 2013, 426, 012006.	0.4	4

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163	UrQMD calculations of two-pion HBT correlations in p+p and Pb+Pb collisions at LHC energies. Journal of Physics: Conference Series, 2013, 420, 012039.	0.4	5
164	Jets, Bulk Matter, and their Interaction in Heavy Ion Collisions at the LHC. Journal of Physics: Conference Series, 2013, 422, 012001.	0.4	1
165	Signals for the QCD phase transition and critical point in a Langevin dynamical model. Journal of Physics: Conference Series, 2013, 426, 012008.	0.4	0
166	Dilepton production at SIS energies with the UrQMD model. Journal of Physics: Conference Series, 2013, 426, 012033.	0.4	7
167	Heavy quark transport at RHIC and LHC. Journal of Physics: Conference Series, 2013, 426, 012032.	0.4	13
168	Medium information from anisotropic flow and jet quenching in relativistic heavy ion collisions. Journal of Physics: Conference Series, 2013, 420, 012027.	0.4	3
169	Hadronic Freeze-Out in A+A Collisions meets the Lattice QCD Parton-Hadron Transition Line. , 2013, , .		1
170	Studies of Dilepton Production in Coarse-Grained Transport Dynamics. , 2013, , .		1
171	Physics Prospects at FAIR. , 2013, , .		3
172	Dynamic Enhancement of Fluctuation Signals at the QCD Phase Transition. , 2013, , .		0
173	Correlated D-meson decays competing against thermal QGP dilepton radiation. , 2013, , .		0
174	Title is missing!. Acta Physica Polonica B, 2012, 43, 731.	0.8	14
175	Examination of scaling of Hanbury-Brown-Twiss radii with charged particle multiplicity. Physical Review C, 2012, 85, .	2.9	34
176	Effects of nuclear absorption on the \hat{v}/\hat{p} -ratio in relativistic heavy-ion collisions. Physical Review C, 2012, 85, .	2.9	5
177	Hydrodynamics at large baryon densities: Understanding proton versus anti-proton $\langle \mathbf{v} \cdot \mathbf{v} \rangle$ and other puzzles. Physical Review C, 2012, 86, .	2.9	41
178	Jets, bulk matter, and their interaction in heavy ion collisions at several TeV. Physical Review C, 2012, 85, .	2.9	104
179	Formation time dependence of femtoscopic $\langle \delta \delta \rangle$ correlations in p+p collisions at $\sqrt{s_{NN}} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 065101.	3.6	4
180	Separating jets from bulk matter in heavy ion collisions at the LHC. Journal of Physics: Conference Series, 2012, 389, 012040.	0.4	0

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181	Anti- and Hypermatter Research at the Facility for Antiproton and Ion Research FAIR. Journal of Physics: Conference Series, 2012, 389, 012022.	0.4	3
182	Hadronization and hadronic freeze-out in relativistic nuclear collisions. Physical Review C, 2012, 85, .	2.9	50
183	Ultrarelativistic quantum molecular dynamics calculations of two-pion Hanbury-Brown-Twiss correlations in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	21
184	Hypernuclei, dibaryon and antinuclei production in high energy heavy ion collisions: Thermal production vs. coalescence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 85-91.	4.1	132
185	System size dependence of the non-monotonous pion freeze-out volume excitation function. Open Physics, 2012, 10, .	1.7	2
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